

## ANALYTICAL REPORT

Job Number: 280-764-1

Job Description: PFC Analysis

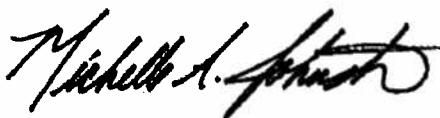
For:

Dalton Utilities

1200 V.D. Parrott Jr. Parkway

Dalton, GA 30721

Attention: Ms. Dena Haverland



Approved for release.  
Michelle Johnston  
Project Manager I  
3/11/2010 9:19 AM

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Michelle Johnston  
Project Manager I  
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03/11/2010

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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**CASE NARRATIVE**  
**Client: Dalton Utilities**  
**Project: PFC Analysis**  
**Report Number: 280-764-1**

TestAmerica Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the methods summary page in accordance with the methods indicated. Dilution factors and footnotes are provided on each datasheet to assist in the interpretation of the results.

The results relate only to the samples in this report and meet all requirements of NELAC. All data have been reviewed for compliance with the laboratory QA/QC plan and have found to be compliant with laboratory protocols with any exceptions noted below.

Please note that Non-Detect (ND) results have been evaluated down to the Method Detection Limit (MDL) and should be considered ND at the MDL. Unless otherwise noted, results for solids have been dry weight corrected.

This report shall not be reproduced except in full, without the written approval of the laboratory.

**Receipt**

The following report contains the analytical results for nine samples received at TestAmerica Denver on February 20, 2010, according to documented sample acceptance procedures. The samples were received in good condition at a temperature of 3.6°C. No anomalies were encountered during sample receipt.

**PFC**

Samples 743 Artis Charles Rd (280-764-1), 3799 Brown's Bridge Rd (280-764-2), 705 Peek Rd (280-764-3), 175 Harrison Lane (280-764-4), 5263 Hwy 225 (280-764-5), 5322 Hwy 225 (280-764-6), 1204 Brackett Ridge Rd (280-764-7), 300 Acorn Drive (280-764-8) and 4496 Hwy 225 (280-764-9) were analyzed for PFC in accordance with SOP DV-LC-0012. The samples were prepared on 02/23/2010 and 03/02/2010 and analyzed on 02/27/2010, 03/08/2010 and 03/09/2010.

Due to low internal standard recoveries, samples 3799 Brown's Bridge Rd (280-764-2), 705 Peek Rd (280-764-3), 175 Harrison Lane (280-764-4), 5322 Hwy 225 (280-764-6), 1204 Brackett Ridge Rd (280-764-7), 300 Acorn Drive (280-764-8) and 4496 Hwy 225 (280-764-9) were re-extracted out of the laboratory prescribed hold time and reanalyzed in QC batch 280-6541. Both batches are included in this report. Please note the sample results should be considered estimated.

The internal standard recoveries for 13C2 PFDA, 13C2 PFUnA, 13C2 PFDa, and/or 13C4 PFOS associated with QC batch 280-5477 were recovered below the control limits in samples 3799 Brown's Bridge Rd (280-764-2), 705 Peek Rd (280-764-3), 175 Harrison Lane (280-764-4), 5322 Hwy 225 (280-764-6), 1204 Brackett Ridge Rd (280-764-7), 300 Acorn Drive (280-764-8) and 4496 Hwy 225 (280-764-9). Upon re-extraction and reanalysis in QC batch 280-6541, the internal standard recoveries were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the laboratory recommended sample holding time.

The internal standard recovery for 13C2 PFDA associated with QC batch 280-5477 was recovered below the control limits in sample 5263 Hwy 225 (280-764-5). Upon re-extraction and reanalysis in QC batch 280-6541; the internal standard recovery outlier was still present, demonstrating that this anomaly is most likely due to matrix interference. The original analysis data have been reported.

The method required MS/MSD could not be performed for QC batches 280-5477 and 280-6541, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD data.

No other difficulties were encountered during the PFC analyses.

All other quality control parameters were within the acceptance limits.

**FOSA**

Samples 743 Artis Charles Rd (280-764-1), 3799 Brown's Bridge Rd (280-764-2), 705 Peek Rd (280-764-3), 175 Harrison Lane (280-764-4), 5263 Hwy 225 (280-764-5), 5322 Hwy 225 (280-764-6), 1204 Brackett Ridge Rd (280-764-7), 300 Acorn Drive (280-764-8) and 4496 Hwy 225 (280-764-9) were analyzed for FOSA in accordance with SOP DV-LC-0012. The samples were prepared on 02/23/2010 and 03/02/2010 and analyzed on 02/28/2010 and 03/08/2010.

Due to low internal standard recoveries, samples 3799 Brown's Bridge Rd (280-764-2), 5263 Hwy 225 (280-764-5) and 300 Acorn Drive (280-764-8) were re-extracted out of the laboratory prescribed hold time and reanalyzed in QC batch 280-6541. Both batches are included in this report. Please note the sample results should be considered estimated.

The internal standard recoveries for MeFOSA (Surr) associated with QC batch 280-5478 were recovered below the control limits in samples 3799 Brown's Bridge Rd (280-764-2) and 5263 Hwy 225 (280-764-5). Upon re-extraction and reanalysis in QC batch 280-6427, the internal standard recoveries were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the laboratory recommended sample holding time.

The internal standard recovery for MeFOSA (Surr) associated with QC batch 280-5478 was recovered below the control limits in sample 300 Acorn Drive (280-764-8). Upon re-extraction and reanalysis in QC batch 280-6427; the internal standard recovery outlier was still present, demonstrating that this anomaly is most likely due to matrix interference. The original analysis data have been reported.

The LCS/LCSD associated with QC batch 280-5478 exhibited percent recoveries above the QC limits for Perfluorooctane sulfonamide (FOSA). This is an indicator that data may be biased high. As no detectable concentrations are present in the associated samples, corrective action is deemed unnecessary.

The LCS/LCSD associated with QC batch 280-6427 exhibited relative percent difference (RPD) data outside the QC control limits for Perfluorooctane sulfonamide (FOSA). The individual LCS and LCSD recoveries were acceptable; however the LCS was recovered at the high end of the recovery limit range and the LCSD was recovered at the low end of the recovery limit range, causing the RPD to be out of control. The acceptable LCS/LCSD analyte recoveries indicate that the laboratory performed the method within acceptable guidelines; therefore, corrective action is deemed unnecessary.

The method required MS/MSD could not be performed for QC batches 280-5478 and 280-6427, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD data.

No other difficulties were encountered during the FOSA analyses.

All other quality control parameters were within the acceptance limits.

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LCMS MANUAL INTEGRATION SUMMARY

Lab Name:	TestAmerica Denver	Job No.:	280-764-1
SDG No.:			
Instrument ID:	LC_LCMS3	Analysis Batch Number:	5477
Lab Sample ID:	MB 280-5022/1-A	Client Sample ID:	
Date Analyzed:	02/27/10 17:02	Lab File ID:	PC30B27B18.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluorohexane Sulfonate (PFHxS)	5.65	Assign Peak	williamst 03/01/10 17:55
Lab Sample ID:	280-764-2	Client Sample ID:	3799 Brown's Bridge Rd
Date Analyzed:	02/27/10 18:02	Lab File ID:	PC30B27B22.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluorohexane Sulfonate (PFHxS)	5.58	Baseline	williamst 03/01/10 17:38
Perfluoroctanoic acid (PFOA)	6.37	Baseline	williamst 03/01/10 17:41
Lab Sample ID:	280-764-3	Client Sample ID:	705 Peek Rd
Date Analyzed:	02/27/10 18:17	Lab File ID:	PC30B27B23.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluoroheptanoic acid (PFHPA)	5.51	Baseline	williamst 03/01/10 17:33
Perfluorohexane Sulfonate (PFHxS)	5.58	Baseline	williamst 03/01/10 17:38
Perfluoroctanoic acid (PFOA)	6.37	Baseline	williamst 03/01/10 17:40
Lab Sample ID:	CCV 280-5477/17	Client Sample ID:	
Date Analyzed:	02/27/10 18:32	Lab File ID:	PC30B27B24.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluorobutanoic acid (PFBA)	1.99	Baseline	williamst 03/01/10 17:21

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-764-1

SDG No. :

Instrument ID: LC LCMS3

Lab Sample ID: 280-764-4

Date Analyzed: 02/27/10 18:47

Analysis Batch Number: 5477

Client Sample ID: 175 Harrison Lane

Lab File ID: PC30B27B25.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluoroheptanoic acid (PFHxA)	5.53	Baseline	williamst 03/01/10 17:33
Perfluorohexane Sulfonate (PFHxS)	5.58	Baseline	williamst 03/01/10 17:38
Perfluoroctanoic acid (PFOA)	6.40	Baseline	williamst 03/01/10 17:40

Lab Sample ID: 280-764-5

Client Sample ID: 5263 Hwy 225

Lab File ID: PC30B27B26.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluoroheptane Sulfonate (PFHxS)	5.58	Baseline	williamst 03/01/10 17:37
Lab Sample ID: 280-764-6			

Client Sample ID: 5322 Hwy 225

Lab File ID: PC30B27B27.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluorobutane Sulfonate (PFBS)	3.39	Baseline	williamst 03/01/10 17:23
Perfluorohexane Sulfonate (PFHxS)	5.57	Baseline	williamst 03/01/10 17:37

Lab Sample ID: 280-764-7

Client Sample ID: 1204 Brackett Ridge Rd

Lab File ID: PC30B27B28.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
Perfluoroheptanoic acid (PFHxA)	4.41	Baseline	williamst 03/01/10 17:32
Perfluoroheptanoic acid (PFHxA)	5.48	Baseline	williamst 03/01/10 17:33
Perfluoroheptane Sulfonate (PFHxS)	5.58	Baseline	williamst 03/01/10 17:37

## LCMS MANUAL INTEGRATION SUMMARY

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Lab Name : TestAmerica Denver Job No.: 280-764-1

SDG No. :

Instrument ID: LC LCMS3

Analysis Batch Number: 5477

Lab Sample ID: 280-764-8

Client Sample ID: 300 Acorn Drive

Date Analyzed: 02/27/10 19:47

Lab File ID: PC30B27B29.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			ANALYST DATE
Perfluorohexanoic acid (PFHxA)	5.48	Baseline	williamst 03/01/10 17:32
Perfluorohexane Sulfonate (PFHxS)	5.55	Baseline	williamst 03/01/10 17:36
Perfluoroctanoic acid (PFOA)	6.37	Baseline	williamst 03/01/10 17:40

Lab Sample ID: 280-764-9

Client Sample ID: 4496 Hwy 225

Date Analyzed: 02/27/10 20:02

Lab File ID: PC30B27B30.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			ANALYST DATE
Perfluorobutane Sulfonate (PBBS)	3.36	Baseline	williamst 03/01/10 17:23
Perfluorohexane Sulfonate (PFHxS)	5.55	Baseline	williamst 03/01/10 17:37
Perfluoroctanoic acid (PFOA)	6.35	Baseline	williamst 03/01/10 17:40

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-764-1

SDG No.:

Instrument ID: LC\_LCMS3

Analysis Batch Number: 6541

Lab Sample ID: STD002 280-6541/2 IC

Client Sample ID:

Date Analyzed: 03/08/10 18:41

Lab File ID: PC30C08B08.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			ANALYST DATE
13C4 PFBA	2.12	Baseline	Williamst 03/09/10 15:30
13C4 PFBA (IS)	2.12	Baseline	Williamst 03/09/10 15:30
Perfluoropentanoic acid (PFPA)	3.44	Baseline	Williamst 03/09/10 15:49
Perfluorobutane Sulfonate (PFBS)	3.63	Baseline	Williamst 03/09/10 15:49
Perfluoroheptanoic acid (PFHxA)	4.71	Baseline	Williamst 03/09/10 16:02
Perfluorodecanoic acid (PFDA)	8.04	Baseline	Williamst 03/10/10 07:57

Lab Sample ID: STD005 280-6541/3 IC

Client Sample ID:

Lab File ID: PC30C08B09.d

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			ANALYST DATE
13C4 PFBA	2.14	Baseline	Williamst 03/09/10 15:30
13C4 PFBA (IS)	2.14	Baseline	Williamst 03/09/10 15:29
Perfluorobutane Sulfonate (PFBS)	3.65	Baseline	Williamst 03/09/10 15:50

Lab Sample ID: STD010 280-6541/4 IC

Client Sample ID:

Lab File ID: PC30C08B10.d

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			ANALYST DATE
13C4 PFBA	2.15	Baseline	Williamst 03/09/10 15:30
13C4 PFBA (IS)	2.15	Baseline	Williamst 03/09/10 15:29
Perfluorobutane Sulfonate (PFBS)	3.57	Baseline	Williamst 03/09/10 15:50

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-764-1

SDG No. :

Instrument ID: LC\_LCMS3

Analysis Batch Number: 6541

Lab Sample ID: STD020 280-6541/5 IC

Client Sample ID:

Date Analyzed: 03/08/10 19:26

Lab File ID: PC30C08B11.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
13C4 PFBA	2.15	Baseline	williamst
13C4 PFBA (IS)	2.15	Baseline	williamst
Perfluoropentanoic acid (PFPA)	3.44	Baseline	williamst
Perfluorobutane Sulfonate (PFBS)	3.67	Baseline	williamst

Lab Sample ID: STD050 280-6541/6 IC

Client Sample ID:

Date Analyzed: 03/08/10 19:41

Lab File ID: PC30C08B12.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
13C4 PFBA	2.15	Baseline	williamst
13C4 PFBA (IS)	2.15	Baseline	williamst
Perfluorobutanioc acid (PFBA)	2.15	Baseline	williamst
Perfluoropentanoic acid (PFPA)	3.42	Baseline	williamst
Perfluorobutane Sulfonate (PFBS)	3.65	Baseline	williamst
Perfluorododecanoic acid (PFDoA)	9.02	Baseline	williamst

Lab Sample ID: STD100 280-6541/7 IC

Client Sample ID:

Date Analyzed: 03/08/10 19:56

Lab File ID: PC30C08B13.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
13C4 PFBA	2.15	Baseline	williamst
13C4 PFBA (IS)	2.15	Baseline	williamst
Perfluorobutanioc acid (PFBA)	2.17	Baseline	williamst
Perfluoropentanoic acid (PFPA)	3.44	Baseline	williamst
Perfluorobutane Sulfonate (PFBS)	3.65	Baseline	williamst

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name:	TestAmerica Denver	Job No.:	280-764-1
SDG No.:			
Instrument ID:	LC LCMS3	Analysis Batch Number:	6541
Lab Sample ID:	STD200 280-6541/8 IC	Client Sample ID:	
Date Analyzed:	03/08/10 20:11	Lab File ID:	PC30C08B14.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
13C4 PFBA	2.15	Baseline	Analyst: Williamst Date: 03/09/10 15:30
13C4 PFBA (IS)	2.15	Baseline	Analyst: Williamst Date: 03/09/10 15:29
Perfluorobutanioc acid (PFBA)	2.17	Baseline	Analyst: Williamst Date: 03/09/10 15:17
Perfluoropentanoic acid (PFPA)	3.44	Baseline	Analyst: Williamst Date: 03/09/10 15:49
Perfluorobutane Sulfonate (PFBS)	3.67	Baseline	Analyst: Williamst Date: 03/09/10 15:51
13C2 PFHxA	4.74	Baseline	Analyst: Williamst Date: 03/09/10 15:59
13C2 PFHxA (IS)	4.74	Baseline	Analyst: Williamst Date: 03/09/10 15:58
Perfluorohexanoic acid (PFHxA)	4.74	Baseline	Analyst: Williamst Date: 03/09/10 16:02
Lab Sample ID:	ICV 280-6541/10	Client Sample ID:	
Date Analyzed:	03/08/10 20:41	Lab File ID:	PC30C08B16.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
13C4 PFBA	2.15	Baseline	Analyst: Williamst Date: 03/09/10 15:31
Perfluorobutanioc acid (PFBA)	2.15	Baseline	Analyst: Williamst Date: 03/09/10 15:17
Perfluoropentanoic acid (PFPA)	3.44	Baseline	Analyst: Williamst Date: 03/09/10 15:49
Perfluorobutane Sulfonate (PFBS)	3.67	Baseline	Analyst: Williamst Date: 03/09/10 15:51
Perfluorohexanoic acid (PFHxA)	4.74	Baseline	Analyst: Williamst Date: 03/09/10 16:02
Lab Sample ID:	MB 280-5772/1-A	Client Sample ID:	
Date Analyzed:	03/08/10 20:56	Lab File ID:	PC30C08B17.d
COMPOND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
13C4 PFBA	2.10	Baseline	Analyst: Williamst Date: 03/09/10 15:31
13C2 PFHxA	4.67	Baseline	Analyst: Williamst Date: 03/09/10 15:59
Perfluorohexane Sulfonate (PFHxS)	5.86	Baseline	Analyst: Williamst Date: 03/09/10 16:08

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-764-1

SDG No.:

Instrument ID: LC LCMS3 Analysis Batch Number: 6541  
 Lab Sample ID: LCS 280-5772/2-A Client Sample ID:

Date Analyzed: 03/08/10 21:11 Lab File ID: PC30C08B18.d GC Column: IonPac ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	DATE
13C4 PFBA	2.10	Baseline	Williamst	03/09/10 15:31
Perfluorobutanioc acid (PFBA)	2.10	Baseline	Williamst	03/09/10 15:18
Perfluoropentanoic acid (PFPA)	3.35	Baseline	Williamst	03/09/10 15:48
Perfluorobutane Sulfonate (PFBS)	3.57	Baseline	Williamst	03/09/10 15:51

Lab Sample ID: LCSD 280-5772/3-A Client Sample ID:

Date Analyzed: 03/08/10 21:26 Lab File ID: PC30C08B19.d GC Column: IonPac ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	DATE
13C4 PFBA	2.08	Baseline	Williamst	03/09/10 15:31
Perfluorobutanioc acid (PFBA)	2.10	Baseline	Williamst	03/09/10 15:18
Perfluoropentanoic acid (PFPA)	3.37	Baseline	Williamst	03/09/10 15:48

Lab Sample ID: 280-764-2 Client Sample ID: 3799 Brown's Bridge Rd

Date Analyzed: 03/08/10 21:41 Lab File ID: PC30C08B20.d GC Column: IonPac ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	DATE
13C4 PFBA	2.10	Baseline	Williamst	03/09/10 15:31
Perfluoropentanoic acid (PFPA)	3.27	Baseline	Williamst	03/09/10 15:48
Perfluorobutane Sulfonate (PFBS)	3.61	Baseline	Williamst	03/09/10 15:52
Perfluorohexanoic acid (PFHxA)	4.68	Baseline	Williamst	03/09/10 16:01
Perfluoroheptanoic acid (PFHxA)	5.76	Baseline	Williamst	03/09/10 16:03
Perfluorohexane Sulfonate (PFHxS)	5.83	Baseline	Williamst	03/09/10 16:08

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-764-1

SDG No.:

Instrument ID: LC\_LCMS3

Analysis Batch Number: 6541

Lab Sample ID: 280-764-3

Client Sample ID: 705 Peek Rd

Date Analyzed: 03/08/10 21:56

Lab File ID: PC30C08B21.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			DATE
13C4 PFBA	2.08	Baseline	Williamst 03/09/10 15:31
Perfluoropentanoic acid (PFPA)	3.35	Baseline	Williamst 03/09/10 15:48
Perfluorobutane Sulfonate (PFBS)	3.59	Baseline	Williamst 03/09/10 15:52
Perfluoroheptanoic acid (PFHPA)	5.74	Baseline	Williamst 03/09/10 16:03
Perfluorohexane Sulfonate (PFHxS)	5.81	Baseline	Williamst 03/09/10 16:08
Perfluoroctanoic acid (PFOA)	6.64	Baseline	Williamst 03/09/10 16:15

Lab Sample ID: 280-764-4

Client Sample ID: 175 Harrison Lane

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			DATE
13C4 PFBA	2.08	Baseline	Williamst 03/09/10 15:32
Perfluoropentanoic acid (PFPA)	3.27	Baseline	Williamst 03/09/10 15:48
Perfluoroheptanoic acid (PFHxA)	4.67	Baseline	Williamst 03/09/10 16:01
Perfluoroheptanoic acid (PFHPA)	5.76	Baseline	Williamst 03/09/10 16:03
Perfluorohexane Sulfonate (PFHxS)	5.81	Baseline	Williamst 03/09/10 16:08
Perfluoroctanoic acid (PFOA)	6.63	Baseline	Williamst 03/09/10 16:14

Lab Sample ID: 280-764-6

Client Sample ID: 5322 Hwy 225

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION
			DATE
13C4 PFBA	1.97	Baseline	Williamst 03/09/10 15:18
Perfluorobutane Sulfonate (PFBS)	2.08	Baseline	Williamst 03/09/10 15:32
Perfluorobutane Sulfonate (PFHxS)	3.57	Baseline	Williamst 03/09/10 15:53
Perfluorohexane Sulfonate (PFHxS)	5.80	Baseline	Williamst 03/09/10 16:09

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver  
SDG No. :

Job No.: 280-764-1

Instrument ID: LC\_LCMS3

Analysis Batch Number: 6541

Lab Sample ID: 280-764-7

Client Sample ID: 1204 Brackett Ridge Rd

Date Analyzed: 03/08/10 22:56

Lab File ID: PC30C08B25.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	
	TIME	REASON	ANALYST	DATE
Perfluorobutanioc acid (PFBA) 13C4 PFBA	2.04	Baseline	Williamst	03/09/10 15:18
Perfluoropentanoic acid (PFPA)	2.10	Baseline	Williamst	03/09/10 15:32
Perfluorobutane Sulfonate (PFBS)	3.24	Baseline	Williamst	03/09/10 15:48
Perfluorohexanoic acid (PFHxA)	3.55	Baseline	Williamst	03/09/10 15:53
Perfluororonoic acid (PFNA)	4.63	Baseline	Williamst	03/09/10 16:01
	7.36	Baseline	Williamst	03/09/10 16:20

Lab Sample ID: 280-764-8  
Date Analyzed: 03/08/10 23:11

Client Sample ID: 300 Acorn Drive

Lab File ID: PC30C08B26.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	
	TIME	REASON	ANALYST	DATE
Perfluorobutanioc acid (PFBA) 13C4 PFBA	1.87	Baseline	Williamst	03/09/10 15:19
Perfluoropentanoic acid (PFPA)	2.10	Baseline	Williamst	03/09/10 15:32
Perfluorohexanoic acid (PFHxA)	3.33	Baseline	Williamst	03/09/10 15:48
Perfluoroheptanoic acid (PFHPA)	4.66	Baseline	Williamst	03/09/10 16:00
Perfluorohexane Sulfonate (PFHxS)	5.72	Baseline	Williamst	03/09/10 16:03
Perfluororonoic acid (PFNA)	5.80	Baseline	Williamst	03/09/10 16:09
	7.33	Baseline	Williamst	03/09/10 16:20

Lab Sample ID: CCV 280-6541/21  
Date Analyzed: 03/08/10 23:26

Client Sample ID:

Lab File ID: PC30C08B27.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	
	TIME	REASON	ANALYST	DATE
13C4 PFBA	2.14	Baseline	Williamst	03/09/10 15:32
Perfluorobutanioc acid (PFBA)	2.14	Baseline	Williamst	03/09/10 15:19
Perfluoropentanoic acid (PFPA)	3.39	Baseline	Williamst	03/09/10 15:48
Perfluorobutane Sulfonate (PFBS)	3.61	Baseline	Williamst	03/09/10 15:53

## LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-764-1

SDG No.:

Instrument ID: LC\_LCMS3

Analysis Batch Number: 6541

Lab Sample ID: CCV 280-6541/41

Client Sample ID:

Date Analyzed: 03/09/10 10:17

Lab File ID: PC30C08B47.d

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	ANALYST	DATE
13C4 PFBA	2.10	Baseline		Williamst	03/09/10 15:34
Perfluorobutanioc acid (PFBA)	2.10	Baseline		Williamst	03/09/10 15:22
Perfluoropentanoic acid (PFPA)	3.37	Baseline		Williamst	03/09/10 15:44
Perfluorobutane Sulfonate (PFBS)	3.57	Baseline		Williamst	03/09/10 15:55

Lab Sample ID: 280-764-9

Client Sample ID: 4496 Hwy 225

Lab File ID: PC30C08B48.d

GC Column: IonPac

ID: 2 (mm)

Date Analyzed: 03/09/10 10:32

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	ANALYST	DATE
Perfluorobutanioc acid (PFBA)	1.86	Baseline		Williamst	03/09/10 15:23
13C4 PFBA	2.06	Baseline		Williamst	03/09/10 15:34
Perfluorobutane Sulfonate (PFBS)	3.50	Baseline		Williamst	03/09/10 15:55
Perfluorohexane Sulfonate (PFHxS)	5.76	Baseline		Williamst	03/09/10 16:11
Perfluorononanoic acid (PFNA)	7.31	Baseline		Williamst	03/09/10 16:21

Lab Sample ID: CCV 280-6541/50

Client Sample ID:

GC Column: IonPac

ID: 2 (mm)

Date Analyzed: 03/09/10 12:32

GC Column: IonPac

ID: 2 (mm)

COMPOUND NAME	RETENTION TIME	REASON	MANUAL INTEGRATION	ANALYST	DATE
13C4 PFBA	2.08	Baseline		Williamst	03/09/10 15:36
Perfluorobutanioc acid (PFBA)	2.08	Baseline		Williamst	03/09/10 15:24
Perfluoropentanoic acid (PFPA)	3.31	Baseline		Williamst	03/09/10 15:37
Perfluorobutane Sulfonate (PFBS)	3.54	Baseline		Williamst	03/09/10 15:56

## SAMPLE SUMMARY

Client: Dalton Utilities

Job Number: 280-764-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-764-1	743 Artis Charles Rd	Water	02/16/2010 1124	02/20/2010 0900
280-764-2	3799 Brown's Bridge Rd	Water	02/16/2010 1132	02/20/2010 0900
280-764-3	705 Peek Rd	Water	02/16/2010 1155	02/20/2010 0900
280-764-4	175 Harrison Lane	Water	02/16/2010 1205	02/20/2010 0900
280-764-5	5263 Hwy 225	Water	02/17/2010 1433	02/20/2010 0900
280-764-6	5322 Hwy 225	Water	02/17/2010 1444	02/20/2010 0900
280-764-7	1204 Brackett Ridge Rd	Water	02/17/2010 1503	02/20/2010 0900
280-764-8	300 Acom Drive	Water	02/17/2010 1514	02/20/2010 0900
280-764-9	4496 Hwy 225	Water	02/19/2010 0828	02/20/2010 0900

## EXECUTIVE SUMMARY - Detections

Client: Dalton Utilities

Job Number: 280-764-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>280-764-2 3799 BROWN'S BRIDGE RD</b>					
Perfluorooctanoic acid (PFOA)	0.011	J	0.019	ug/L	DV-LC-0012
Perfluorooctane Sulfonate (PFOS)	0.013	J	0.029	ug/L	DV-LC-0012
<b>280-764-3 705 PEEK RD</b>					
Perfluorobutane Sulfonate (PFBS)	0.044		0.021	ug/L	DV-LC-0012
Perfluorobutanioc acid (PFBA)	0.015	J	0.021	ug/L	DV-LC-0012
Perfluoroheptanoic acid (PFHpA)	0.054		0.031	ug/L	DV-LC-0012
Perfluorohexane Sulfonate (PFHxS)	0.065		0.031	ug/L	DV-LC-0012
Perfluorohexanoic acid (PFHxA)	0.054		0.021	ug/L	DV-LC-0012
Perfluoroctanoic acid (PFOA)	0.10		0.021	ug/L	DV-LC-0012
Perfluorooctane Sulfonate (PFOS)	0.032		0.031	ug/L	DV-LC-0012
Perfluoropentanoic acid (PFPA)	0.037		0.031	ug/L	DV-LC-0012
<b>280-764-4 175 HARRISON LANE</b>					
Perfluorobutane Sulfonate (PFBS)	0.021		0.020	ug/L	DV-LC-0012
Perfluoroheptanoic acid (PFHpA)	0.019	J	0.030	ug/L	DV-LC-0012
Perfluorohexane Sulfonate (PFHxS)	0.017	J	0.030	ug/L	DV-LC-0012
Perfluorohexanoic acid (PFHxA)	0.024		0.020	ug/L	DV-LC-0012
Perfluoroctanoic acid (PFOA)	0.026		0.020	ug/L	DV-LC-0012
Perfluoropentanoic acid (PFPA)	0.015	J	0.030	ug/L	DV-LC-0012
<b>280-764-5 5263 HWY 225</b>					
Perfluorobutane Sulfonate (PFBS)	0.046		0.021	ug/L	DV-LC-0012
Perfluorobutanioc acid (PFBA)	0.039		0.021	ug/L	DV-LC-0012
Perfluorodecanoic acid (PFDA)	0.048		0.021	ug/L	DV-LC-0012
Perfluoroheptanoic acid (PFHpA)	0.059		0.032	ug/L	DV-LC-0012
Perfluorohexanoic acid (PFHxA)	0.073		0.021	ug/L	DV-LC-0012
Perfluorononanoic acid (PFNA)	0.025	J	0.043	ug/L	DV-LC-0012
Perfluoroctanoic acid (PFOA)	0.13		0.021	ug/L	DV-LC-0012
Perfluorooctane Sulfonate (PFOS)	0.020	J	0.032	ug/L	DV-LC-0012
Perfluoropentanoic acid (PFPA)	0.093		0.032	ug/L	DV-LC-0012
<b>280-764-7 1204 BRACKETT RIDGE RD</b>					
Perfluorohexanoic acid (PFHxA)	0.0067	J	0.019	ug/L	DV-LC-0012
Perfluoroctanoic acid (PFOA)	0.021		0.019	ug/L	DV-LC-0012

## EXECUTIVE SUMMARY - Detections

Client: Dalton Utilities

Job Number: 280-764-1

Lab Sample ID	Client Sample ID	Reporting		Method	
Analyte		Result / Qualifier	Limit	Units	
280-764-8	300 ACORN DRIVE				
Perfluorobutane Sulfonate (PFBS)	0.011	J	0.021	ug/L	DV-LC-0012
Perfluoroheptanoic acid (PFHpA)	0.024	J	0.031	ug/L	DV-LC-0012
Perfluorohexane Sulfonate (PFHxS)	0.016	J	0.031	ug/L	DV-LC-0012
Perfluorohexanoic acid (PFHxA)	0.023		0.021	ug/L	DV-LC-0012
Perfluoroctanoic acid (PFOA)	0.065		0.021	ug/L	DV-LC-0012
Perfluoropentanoic acid (PFPA)	0.017	J	0.031	ug/L	DV-LC-0012

## METHOD SUMMARY



Client: Dalton Utilities

Job Number: 280-764-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Water</b>			
Perfluorinated Hydrocarbons	TAL DEN	TAL-DEN DV-LC-0012	
Solid-Phase Extraction (SPE)	TAL DEN		SW846 3535
FOSA in Water (LC/MS/MS)	TAL DEN	TAL-DEN PFC -FOSA	
Solid-Phase Extraction (SPE)	TAL DEN		SW846 3535

**Lab References:**

TAL DEN = TestAmerica Denver

**Method References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-DEN = TestAmerica Laboratories, Denver, Facility Standard Operating Procedure.

## METHOD / ANALYST SUMMARY

Client: Dalton Utilities

Job Number: 280-764-1

Method	Analyst	Analyst ID
TAL-DEN DV-LC-0012	Williams, Teresa L	TLW
TAL-DEN PFC -FOSA	Williams, Teresa L	TLW

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 743 Artis Charles Rd

Lab Sample ID: 280-764-1

Date Sampled: 02/16/2010 1124

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B21.d
Dilution:	1.0			Initial Weight/Volume:	240 mL
Date Analyzed:	02/27/2010 1747			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND		0.0086	0.021
Perfluorobutanioc acid (PFBA)	ND		0.010	0.021
Perfluorodecanoic acid (PFDA)	ND		0.0081	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.016	0.031
Perfluoroheptanoic acid (PFHpA)	ND		0.014	0.031
Perfluorohexane Sulfonate (PFHxS)	ND		0.0073	0.031
Perfluorohexanoic acid (PFHxA)	ND		0.0030	0.021
Perfluorononanoic acid (PFNA)	ND		0.018	0.042
Perfluoroctanoic acid (PFOA)	ND		0.010	0.021
Perfluorooctane Sulfonate (PFOS)	ND		0.014	0.031
Perfluoropentanoic acid (PFPA)	ND		0.011	0.031
Perfluorotetradecanoic acid (PFTeA)	ND		0.015	0.031
Perfluorotridecanoic Acid (PFTriA)	ND		0.018	0.042
Perfluoroundecanoic acid (PFUnA)	ND		0.0072	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	96		60 - 155
13C4 PFOS	62		45 - 130
13C4 PFBA	80		36 - 130
13C2 PFHxA	86		55 - 135
13C5 PFNA	75		54 - 132
13C2 PFDA	56		53 - 130
13C2 PFUnA	45		37 - 130
13C2 PFDoA	42		26 - 130
18O2 PFHxS	85		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 3799 Brown's Bridge Rd

Lab Sample ID: 280-764-2

Date Sampled: 02/16/2010 1132

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B22.d
Dilution:	1.0			Initial Weight/Volume:	263 mL
Date Analyzed:	02/27/2010 1802			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND		0.0078	0.019
Perfluorobutanoic acid (PFBA)	ND		0.0093	0.019
Perfluorodecanoic acid (PFDA)	ND		0.0074	0.019
Perfluorododecanoic acid (PFDoA)	ND		0.014	0.029
Perfluoroheptanoic acid (PFHpA)	ND		0.012	0.029
Perfluorohexane Sulfonate (PFHxS)	ND		0.0066	0.029
Perfluorohexanoic acid (PFHxA)	ND		0.0028	0.019
Perfluorononanoic acid (PFNA)	ND		0.017	0.038
Perfluoroctanoic acid (PFOA)	0.011	J	0.0093	0.019
Perfluoroctane Sulfonate (PFOS)	0.013	J	0.013	0.029
Perfluoropentanoic acid (PFPA)	ND		0.010	0.029
Perfluorotetradecanoic acid (PFTeA)	ND		0.014	0.029
Perfluorotridecanoic Acid (PFTriA)	ND		0.017	0.038
Perfluoroundecanoic acid (PFUnA)	ND		0.0065	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	78		60 - 155
13C4 PFOS	46		45 - 130
13C4 PFBA	77		36 - 130
13C2 PFHxA	81		55 - 135
13C5 PFNA	60		54 - 132
13C2 PFDA	41	X	53 - 130
13C2 PFUnA	37		37 - 130
13C2 PFDoA	39		26 - 130
18O2 PFHxS	76		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 3799 Brown's Bridge Rd

Lab Sample ID: 280-764-2

Date Sampled: 02/16/2010 1132

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B20.d
Dilution:	1.0		Initial Weight/Volume:	237 mL
Date Analyzed:	03/08/2010 2141		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND	H	0.0087	0.021
Perfluorobutanioc acid (PFBA)	ND	H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0082	0.021
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	ND	H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	ND	H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	0.0042	J H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.018	0.042
Perfluoroctanoic acid (PFOA)	ND	H	0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND	H	0.014	0.032
Perfluoropentanoic acid (PFPA)	ND	H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.015	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.042
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0073	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	110		60 - 155
13C4 PFOS	69		45 - 130
13C4 PFBA	112		36 - 130
13C2 PFHxA	112		55 - 135
13C5 PFNA	88		54 - 132
13C2 PFDA	59		53 - 130
13C2 PFDA	56		37 - 130
13C2 PFDoA	54		26 - 130
18O2 PFHxS	105		61 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 705 Peek Rd

Lab Sample ID: 280-764-3

Client Matrix: Water

Date Sampled: 02/16/2010 1155

Date Received: 02/20/2010 0900

### DV-LC-0012 Perfluorinated Hydrocarbons

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B23.d
Dilution:	1.0			Initial Weight/Volume:	239 mL
Date Analyzed:	02/27/2010 1817			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.044		0.0086	0.021
Perfluorobutanoic acid (PFBA)	0.015	J	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND		0.0082	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.016	0.031
Perfluoroheptanoic acid (PFHpA)	0.054		0.014	0.031
Perfluorohexane Sulfonate (PFHxS)	0.065		0.0073	0.031
Perfluorohexanoic acid (PFHxA)	0.054		0.0030	0.021
Perfluorononanoic acid (PFNA)	ND		0.018	0.042
Perfluoroctanoic acid (PFOA)	0.10		0.010	0.021
Perfluoroctane Sulfonate (PFOS)	0.032		0.014	0.031
Perfluoropentanoic acid (PFPA)	0.037		0.011	0.031
Perfluorotetradecanoic acid (PFTeA)	ND		0.015	0.031
Perfluorotridecanoic Acid (PFTriA)	ND		0.019	0.042
Perfluoroundecanoic acid (PFUnA)	ND		0.0072	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	78		60 - 155
13C4 PFOS	45		45 - 130
13C4 PFBA	78		36 - 130
13C2 PFHxA	80		55 - 135
13C5 PFNA	61		54 - 132
13C2 PFDA	44	X	53 - 130
13C2 PFUnA	31	X	37 - 130
13C2 PFDoA	29		26 - 130
18O2 PFHxS	71		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 705 Peek Rd

Lab Sample ID: 280-764-3

Client Matrix: Water

Date Sampled: 02/16/2010 1155

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5772	Lab File ID:	PC30C08B21.d
Dilution:	1.0			Initial Weight/Volume:	236 mL
Date Analyzed:	03/08/2010 2156			Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.037	H	0.0087	0.021
Perfluorobutanoic acid (PFBA)	0.013	J H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0083	0.021
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	0.039	H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	0.052	H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	0.046	H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.018	0.042
Perfluoroctanoic acid (PFOA)	0.087	H	0.010	0.021
Perfluoroctane Sulfonate (PFOS)	0.026	J H	0.014	0.032
Perfluoropentanoic acid (PFPA)	0.031	J H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.015	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.042
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0073	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	109		60 - 155
13C4 PFOS	77		45 - 130
13C4 PFBA	100		36 - 130
13C2 PFHxA	102		55 - 135
13C5 PFNA	91		54 - 132
13C2 PFDA	70		53 - 130
13C2 PFUnA	64		37 - 130
13C2 PFDoA	54		26 - 130
18O2 PFHxS	99		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 175 Harrison Lane

Lab Sample ID: 280-764-4

Date Sampled: 02/16/2010 1205

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B25.d
Dilution:	1.0			Initial Weight/Volume:	252 mL
Date Analyzed:	02/27/2010 1847			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.021		0.0082	0.020
Perfluorobutanioc acid (PFBA)	ND		0.0097	0.020
Perfluorodecanoic acid (PFDA)	ND		0.0078	0.020
Perfluorododecanoic acid (PFDoA)	ND		0.015	0.030
Perfluoroheptanoic acid (PFHpA)	0.019	J	0.013	0.030
Perfluorohexane Sulfonate (PFHxS)	0.017	J	0.0069	0.030
Perfluorohexanoic acid (PFHxA)	0.024		0.0029	0.020
Perfluorononanoic acid (PFNA)	ND		0.017	0.040
Perfluoroctanoic acid (PFOA)	0.026		0.0097	0.020
Perfluoroctane Sulfonate (PFOS)	ND		0.013	0.030
Perfluoropentanoic acid (PFPA)	0.015	J	0.011	0.030
Perfluorotetradecanoic acid (PFTeA)	ND		0.014	0.030
Perfluorotridecanoic Acid (PFTriA)	ND		0.018	0.040
Perfluoroundecanoic acid (PFUnA)	ND		0.0068	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	83		60 - 155
13C4 PFOS	49		45 - 130
13C4 PFBA	80		36 - 130
13C2 PFHxA	84		55 - 135
13C5 PFNA	65		54 - 132
13C2 PFDA	42	X	53 - 130
13C2 PFUnA	28	X	37 - 130
13C2 PFDoA	23	X	26 - 130
18O2 PFHxS	76		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 175 Harrison Lane

Lab Sample ID: 280-764-4

Date Sampled: 02/16/2010 1205

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B22.d
Dilution:	1.0		Initial Weight/Volume:	235 mL
Date Analyzed:	03/08/2010 2211		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.016	J H	0.0088	0.021
Perfluorobutanoic acid (PFBA)	ND	H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0083	0.021
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	0.014	J H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	0.015	J H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	0.018	J H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.019	0.043
Perfluoroctanoic acid (PFOA)	0.016	J H	0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND	H	0.014	0.032
Perfluoropentanoic acid (PFPA)	0.014	J H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.015	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.043
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0073	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	110		60 - 155
13C4 PFOS	91		45 - 130
13C4 PFBA	102		36 - 130
13C2 PFHxA	108		55 - 135
13C5 PFNA	103		54 - 132
13C2 PFDA	78		53 - 130
13C2 PFUnA	78		37 - 130
13C2 PFDoA	64		26 - 130
18O2 PFHxS	102		61 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5263 Hwy 225

Lab Sample ID: 280-764-5

Date Sampled: 02/17/2010 1433

Client Matrix: Water

Date Received: 02/20/2010 0900

### DV-LC-0012 Perfluorinated Hydrocarbons

Method:	DV-LC-0012	Analysis Batch: 280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5022	Lab File ID:	PC30B27B26.d
Dilution:	1.0		Initial Weight/Volume:	233 mL
Date Analyzed:	02/27/2010 1902		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.046		0.0088	0.021
Perfluorobutanoic acid (PFBA)	0.039		0.011	0.021
Perfluorodecanoic acid (PFDA)	0.048		0.0084	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.016	0.032
Perfluoroheptanoic acid (PFHpA)	0.059		0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	ND		0.0075	0.032
Perfluorohexanoic acid (PFHxA)	0.073		0.0031	0.021
Perfluorononanoic acid (PFNA)	0.025	J	0.019	0.043
Perfluooctanoic acid (PFOA)	0.13		0.011	0.021
Perfluorooctane Sulfonate (PFOS)	0.020	J	0.014	0.032
Perfluoropentanoic acid (PFPA)	0.093		0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND		0.016	0.032
Perfluorotridecanoic Acid (PFTriA)	ND		0.019	0.043
Perfluoroundecanoic acid (PFUnA)	ND		0.0074	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	82		60 - 155
13C4 PFOS	49		45 - 130
13C4 PFBA	76		36 - 130
13C2 PFHxA	84		55 - 135
13C5 PFNA	60		54 - 132
13C2 PFDA	42	X	53 - 130
13C2 PFUnA	37		37 - 130
13C2 PFDoA	38		26 - 130
18O2 PFHxS	81		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5322 Hwy 225

Lab Sample ID: 280-764-6

Date Sampled: 02/17/2010 1444

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B27.d
Dilution:	1.0			Initial Weight/Volume:	243 mL
Date Analyzed:	02/27/2010 1917			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND		0.0085	0.021
Perfluorobutanoic acid (PFBA)	ND		0.010	0.021
Perfluorodecanoic acid (PFDA)	ND		0.0080	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.015	0.031
Perfluoroheptanoic acid (PFHpA)	ND		0.014	0.031
Perfluorohexane Sulfonate (PFHxS)	ND		0.0072	0.031
Perfluorohexanoic acid (PFHxA)	ND		0.0030	0.021
Perfluorononanoic acid (PFNA)	ND		0.018	0.041
Perfluoroctanoic acid (PFOA)	ND		0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND		0.014	0.031
Perfluoropentanoic acid (PFPA)	ND		0.011	0.031
Perfluorotetradecanoic acid (PFTeA)	ND		0.015	0.031
Perfluorotridecanoic Acid (PFTriA)	ND		0.018	0.041
Perfluoroundecanoic acid (PFUnA)	ND		0.0071	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	92		60 - 155
13C4 PFOS	47		45 - 130
13C4 PFBA	81		36 - 130
13C2 PFHxA	87		55 - 135
13C5 PFNA	67		54 - 132
13C2 PFDA	40	X	53 - 130
13C2 PFUnA	32	X	37 - 130
13C2 PFDoA	29		26 - 130
18O2 PFHxS	86		61 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5322 Hwy 225

Lab Sample ID: 280-764-6

Client Matrix: Water

Date Sampled: 02/17/2010 1444

Date Received: 02/20/2010 0900

### DV-LC-0012 Perfluorinated Hydrocarbons

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B24.d
Dilution:	1.0		Initial Weight/Volume:	236 mL
Date Analyzed:	03/08/2010 2241		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND	H	0.0087	0.021
Perfluorobutanioc acid (PFBA)	ND	H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0083	0.021
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	ND	H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	ND	H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	ND	H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.018	0.042
Perfluoroctanoic acid (PFOA)	ND	H	0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND	H	0.014	0.032
Perfluoropentanoic acid (PFPA)	ND	H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.015	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.042
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0073	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	111		60 - 155
13C4 PFOS	76		45 - 130
13C4 PFBA	102		36 - 130
13C2 PFHxA	104		55 - 135
13C5 PFNA	88		54 - 132
13C2 PFDA	68		53 - 130
13C2 PFUnA	71		37 - 130
13C2 PFDoA	55		26 - 130
18O2 PFHxS	103		61 - 130

## Analytical Data



Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 1204 Brackett Ridge Rd

Lab Sample ID: 280-764-7

Date Sampled: 02/17/2010 1503

Client Matrix: Water

Date Received: 02/20/2010 0900

### DV-LC-0012 Perfluorinated Hydrocarbons

Method:	DV-LC-0012	Analysis Batch: 280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5022	Lab File ID:	PC30B27B28.d
Dilution:	1.0		Initial Weight/Volume:	257 mL
Date Analyzed:	02/27/2010 1932		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND		0.0080	0.019
Perfluorobutanoic acid (PFBA)	ND		0.0095	0.019
Perfluorodecanoic acid (PFDA)	ND		0.0076	0.019
Perfluorododecanoic acid (PFDoA)	ND		0.015	0.029
Perfluoroheptanoic acid (PFHpA)	ND		0.013	0.029
Perfluorohexane Sulfonate (PFHxS)	ND		0.0068	0.029
Perfluorohexanoic acid (PFHxA)	0.0067	J	0.0028	0.019
Perfluorononanoic acid (PFNA)	ND		0.017	0.039
Perfluooctanoic acid (PFOA)	0.021		0.0095	0.019
Perfluoroctane Sulfonate (PFOS)	ND		0.013	0.029
Perfluoropentanoic acid (PFPA)	ND		0.011	0.029
Perfluorotetradecanoic acid (PFTeA)	ND		0.014	0.029
Perfluorotridecanoic Acid (PFTriA)	ND		0.017	0.039
Perfluoroundecanoic acid (PFUnA)	ND		0.0067	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	83		60 - 155
13C4 PFOS	44	X	45 - 130
13C4 PFBA	76		36 - 130
13C2 PFHxA	82		55 - 135
13C5 PFNA	63		54 - 132
13C2 PFDA	41	X	53 - 130
13C2 PFUnA	34	X	37 - 130
13C2 PFDoA	35		26 - 130
18O2 PFHxS	72		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 1204 Brackett Ridge Rd

Lab Sample ID: 280-764-7

Client Matrix: Water

Date Sampled: 02/17/2010 1503

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B25.d
Dilution:	1.0		Initial Weight/Volume:	235 mL
Date Analyzed:	03/08/2010 2256		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND	H	0.0088	0.021
Perfluorobutanoic acid (PFBA)	ND	H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0083	0.021
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	ND	H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	ND	H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	0.0044	J H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.019	0.043
Perfluooctanoic acid (PFOA)	0.016	J H	0.010	0.021
Perfluorooctane Sulfonate (PFOS)	ND	H	0.014	0.032
Perfluoropentanoic acid (PFPA)	ND	H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.015	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.043
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0073	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	108		60 - 155
13C4 PFOS	64		45 - 130
13C4 PFBA	103		36 - 130
13C2 PFHxA	109		55 - 135
13C5 PFNA	87		54 - 132
13C2 PFDA	53		53 - 130
13C2 PFUnA	55		37 - 130
13C2 PFDoA	50		26 - 130
18O2 PFHxS	112		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 300 Acorn Drive

Lab Sample ID: 280-764-8

Date Sampled: 02/17/2010 1514

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B29.d
Dilution:	1.0			Initial Weight/Volume:	241 mL
Date Analyzed:	02/27/2010 1947			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	0.011	J	0.0085	0.021
Perfluorobutanoic acid (PFBA)	ND		0.010	0.021
Perfluorodecanoic acid (PFDA)	ND		0.0081	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.015	0.031
Perfluoroheptanoic acid (PFHpA)	0.024	J	0.014	0.031
Perfluorohexane Sulfonate (PFHxS)	0.016	J	0.0072	0.031
Perfluorohexanoic acid (PFHxA)	0.023		0.0030	0.021
Perfluorononanoic acid (PFNA)	ND		0.018	0.041
Perfluoroctanoic acid (PFOA)	0.065		0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND		0.014	0.031
Perfluoropentanoic acid (PFPA)	0.017	J	0.011	0.031
Perfluorotetradecanoic acid (PFTeA)	ND		0.015	0.031
Perfluorotridecanoic Acid (PFTriA)	ND		0.018	0.041
Perfluoroundecanoic acid (PFUnA)	ND		0.0071	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	91		60 - 155
13C4 PFOS	49		45 - 130
13C4 PFBA	83		36 - 130
13C2 PFHxA	91		55 - 135
13C5 PFNA	65		54 - 132
13C2 PFDA	45	X	53 - 130
13C2 PFUnA	42		37 - 130
13C2 PFDoA	41		26 - 130
18O2 PFHxS	87		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 300 Acorn Drive

Lab Sample ID: 280-764-8

Date Sampled: 02/17/2010 1514

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B26.d
Dilution:	1.0		Initial Weight/Volume:	228 mL
Date Analyzed:	03/08/2010 2311		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND	H	0.0090	0.022
Perfluorobutanioc acid (PFBA)	ND	H	0.011	0.022
Perfluorodecanoic acid (PFDA)	ND	H	0.0086	0.022
Perfluorododecanoic acid (PFDoA)	ND	H	0.016	0.033
Perfluoroheptanoic acid (PFHpA)	0.021	J H	0.014	0.033
Perfluorohexane Sulfonate (PFHxS)	0.013	J H	0.0076	0.033
Perfluorohexanoic acid (PFHxA)	0.018	J H	0.0032	0.022
Perfluorononanoic acid (PFNA)	ND	H	0.019	0.044
Perfluoroctanoic acid (PFOA)	0.051	H	0.011	0.022
Perfluoroctane Sulfonate (PFOS)	ND	H	0.015	0.033
Perfluoropentanoic acid (PFPA)	0.017	J H	0.012	0.033
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.016	0.033
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.044
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0076	0.022

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	102		60 - 155
13C4 PFOS	65		45 - 130
13C4 PFBA	100		36 - 130
13C2 PFHxA	104		55 - 135
13C5 PFNA	84		54 - 132
13C2 PFDA	59		53 - 130
13C2 PFUnA	63		37 - 130
13C2 PFDoA	54		26 - 130
18O2 PFHxS	100		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 4496 Hwy 225

Lab Sample ID: 280-764-9

Date Sampled: 02/19/2010 0828

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch:	280-5477	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5022	Lab File ID:	PC30B27B30.d
Dilution:	1.0			Initial Weight/Volume:	240 mL
Date Analyzed:	02/27/2010 2002			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0839			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND		0.0086	0.021
Perfluorobutanoic acid (PFBA)	ND		0.010	0.021
Perfluorodecanoic acid (PFDA)	ND		0.0081	0.021
Perfluorododecanoic acid (PFDoA)	ND		0.016	0.031
Perfluoroheptanoic acid (PFHpA)	ND		0.014	0.031
Perfluorohexane Sulfonate (PFHxS)	ND		0.0073	0.031
Perfluorohexanoic acid (PFHxA)	ND		0.0030	0.021
Perfluorononanoic acid (PFNA)	ND		0.018	0.042
Perfluoroctanoic acid (PFOA)	ND		0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND		0.014	0.031
Perfluoropentanoic acid (PFPA)	ND		0.011	0.031
Perfluorotetradecanoic acid (PFTeA)	ND		0.015	0.031
Perfluorotridecanoic Acid (PFTriA)	ND		0.018	0.042
Perfluoroundecanoic acid (PFUnA)	ND		0.0072	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	97		60 - 155
13C4 PFOS	57		45 - 130
13C4 PFBA	84		36 - 130
13C2 PFHxA	90		55 - 135
13C5 PFNA	71		54 - 132
13C2 PFDA	48	X	53 - 130
13C2 PFUnA	46		37 - 130
13C2 PFDoA	44		26 - 130
18O2 PFHxS	89		61 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 4496 Hwy 225

Lab Sample ID: 280-764-9

Date Sampled: 02/19/2010 0828

Client Matrix: Water

Date Received: 02/20/2010 0900

**DV-LC-0012 Perfluorinated Hydrocarbons**

Method:	DV-LC-0012	Analysis Batch: 280-6541	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5772	Lab File ID:	PC30C08B48.d
Dilution:	1.0		Initial Weight/Volume:	234 mL
Date Analyzed:	03/09/2010 1032		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0842		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorobutane Sulfonate (PFBS)	ND	H	0.0088	0.021
Perfluorobutanioc acid (PFBA)	ND	H	0.010	0.021
Perfluorodecanoic acid (PFDA)	ND	H	0.0084	0.021
Perfluorododecanoic acid (PFDa)	ND	H	0.016	0.032
Perfluoroheptanoic acid (PFHpA)	ND	H	0.014	0.032
Perfluorohexane Sulfonate (PFHxS)	ND	H	0.0074	0.032
Perfluorohexanoic acid (PFHxA)	ND	H	0.0031	0.021
Perfluorononanoic acid (PFNA)	ND	H	0.019	0.043
Perfluoroctanoic acid (PFOA)	ND	H	0.010	0.021
Perfluoroctane Sulfonate (PFOS)	ND	H	0.014	0.032
Perfluoropentanoic acid (PFPA)	ND	H	0.012	0.032
Perfluorotetradecanoic acid (PFTeA)	ND	H	0.016	0.032
Perfluorotridecanoic Acid (PFTriA)	ND	H	0.019	0.043
Perfluoroundecanoic acid (PFUnA)	ND	H	0.0074	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
13C4 PFOA	104		60 - 155
13C4 PFOS	76		45 - 130
13C4 PFBA	106		36 - 130
13C2 PFHxA	106		55 - 135
13C5 PFNA	91		54 - 132
13C2 PFDA	71		53 - 130
13C2 PFUnA	73		37 - 130
13C2 PFDa	65		26 - 130
18O2 PFHxS	95		61 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 743 Artis Charles Rd

Lab Sample ID: 280-764-1

Date Sampled: 02/16/2010 1124

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B104.d
Dilution:	1.0		Initial Weight/Volume:	233 mL
Date Analyzed:	02/28/2010 0752		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0061	0.054
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Sur)	46		37 - 130	

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 3799 Brown's Bridge Rd

Lab Sample ID: 280-764-2

Date Sampled: 02/16/2010 1132

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch:	280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5020	Lab File ID:	PC30B27B105.d
Dilution:	1.0			Initial Weight/Volume:	244 mL
Date Analyzed:	02/28/2010 0757			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluoroctane Sulfonamide	ND	*	0.0059	0.051

Surrogate	%Rec	Qualifier	Acceptance Limits
MeFOSA (Surr)	23	X	37 - 130

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 3799 Brown's Bridge Rd

Lab Sample ID: 280-764-2

Date Sampled: 02/16/2010 1132

Client Matrix: Water

Date Received: 02/20/2010 0900

**PFC -FOSA FOSA in Water (LC/MS/MS)**

Method:	PFC -FOSA	Analysis Batch: 280-6427	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5765	Lab File ID:	PC30c0766.d
Dilution:	1.0		Initial Weight/Volume:	235 mL
Date Analyzed:	03/08/2010 0205		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0827		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	H *	0.0061	0.053
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Sur)	49		37 - 130	

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 705 Peek Rd

Lab Sample ID: 280-764-3

Date Sampled: 02/16/2010 1155

Client Matrix: Water

Date Received: 02/20/2010 0900

**PFC -FOSA FOSA in Water (LC/MS/MS)**

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B106.d
Dilution:	1.0		Initial Weight/Volume:	247 mL
Date Analyzed:	02/28/2010 0802		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0058	0.051
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Sur)	66		37 - 130	

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 175 Harrison Lane

Lab Sample ID: 280-764-4

Date Sampled: 02/16/2010 1205

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B108.d
Dilution:	1.0		Initial Weight/Volume:	241 mL
Date Analyzed:	02/28/2010 0812		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0059	0.052
Surrogate MeFOSA (Surr)	%Rec	Qualifier	Acceptance Limits	

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5263 Hwy 225

Lab Sample ID: 280-764-5

Client Matrix: Water

Date Sampled: 02/17/2010 1433

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch:	280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch:	280-5020	Lab File ID:	PC30B27B109.d
Dilution:	1.0			Initial Weight/Volume:	247 mL
Date Analyzed:	02/28/2010 0817			Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828			Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0058	0.051
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Sur)	14	X	37 - 130	

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5263 Hwy 225

Lab Sample ID: 280-764-5

Date Sampled: 02/17/2010 1433

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-6427	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5765	Lab File ID:	PC30c0767.d
Dilution:	1.0		Initial Weight/Volume:	238 mL
Date Analyzed:	03/08/2010 0210		Final Weight/Volume:	5 mL
Date Prepared:	03/02/2010 0827		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	H *	0.0060	0.053
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Surr)	53		37 - 130	

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 5322 Hwy 225

Lab Sample ID: 280-764-6

Client Matrix: Water

Date Sampled: 02/17/2010 1444

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B110.d
Dilution:	1.0		Initial Weight/Volume:	247 mL
Date Analyzed:	02/28/2010 0822		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluoroctane Sulfonamide	ND	*	0.0058	0.051
Surrogate	%Rec		Qualifier	Acceptance Limits
MeFOSA (Sur)	48			37 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 1204 Brackett Ridge Rd

Lab Sample ID: 280-764-7

Date Sampled: 02/17/2010 1503

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B111.d
Dilution:	1.0		Initial Weight/Volume:	244 mL
Date Analyzed:	02/28/2010 0827		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluoroctane Sulfonamide	ND	*	0.0059	0.051
Surrogate	%Rec		Qualifier	Acceptance Limits
MeFOSA (Sur)	55		37 - 130	

**Analytical Data**

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 300 Acorn Drive

Lab Sample ID: 280-764-8

Date Sampled: 02/17/2010 1514

Client Matrix: Water

Date Received: 02/20/2010 0900

**PFC -FOSA FOSA in Water (LC/MS/MS)**

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B112.d
Dilution:	1.0		Initial Weight/Volume:	242 mL
Date Analyzed:	02/28/2010 0832		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0059	0.052

Surrogate	%Rec	Qualifier	Acceptance Limits
MeFOSA (Sur)	21	X	37 - 130

## Analytical Data

Client: Dalton Utilities

Job Number: 280-764-1

Client Sample ID: 4496 Hwy 225

Lab Sample ID: 280-764-9

Date Sampled: 02/19/2010 0828

Client Matrix: Water

Date Received: 02/20/2010 0900

### PFC -FOSA FOSA in Water (LC/MS/MS)

Method:	PFC -FOSA	Analysis Batch: 280-5478	Instrument ID:	LC_LCMS3
Preparation:	3535	Prep Batch: 280-5020	Lab File ID:	PC30B27B113.d
Dilution:	1.0		Initial Weight/Volume:	256 mL
Date Analyzed:	02/28/2010 0837		Final Weight/Volume:	5 mL
Date Prepared:	02/23/2010 0828		Injection Volume:	20 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Perfluorooctane Sulfonamide	ND	*	0.0056	0.049
Surrogate	%Rec	Qualifier	Acceptance Limits	
MeFOSA (Surr)	53		37 - 130	